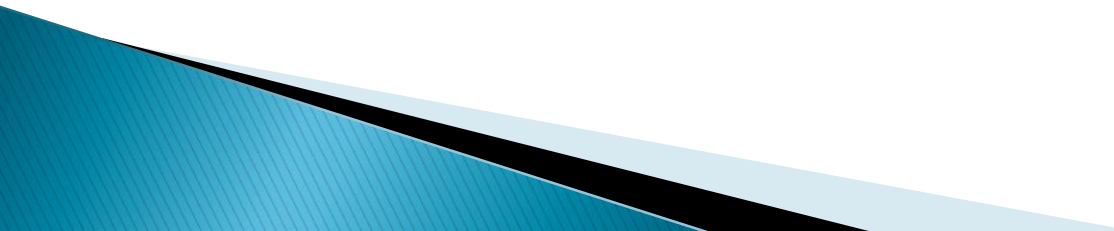


# Unit 4: Building a Vulnerability Assessment

## Defining Objectives and Scope

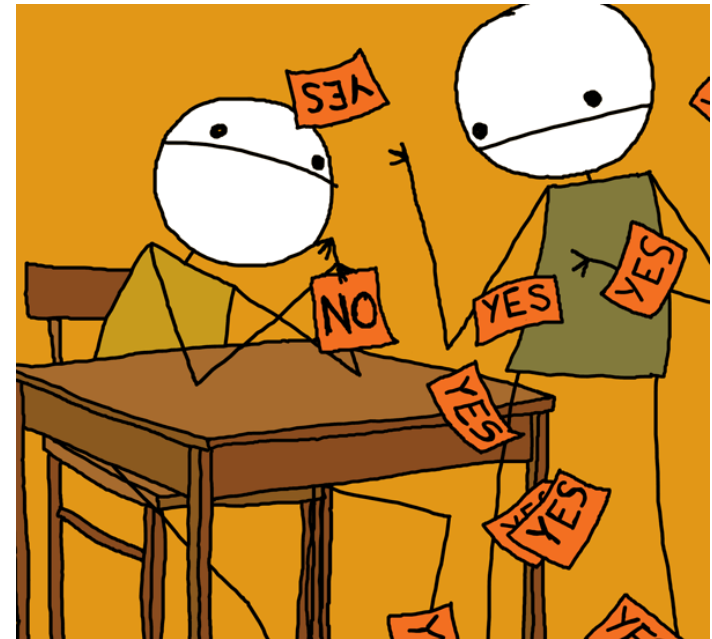
# *Good objectives help make sure you are solving the right problem*

They are essential in order to

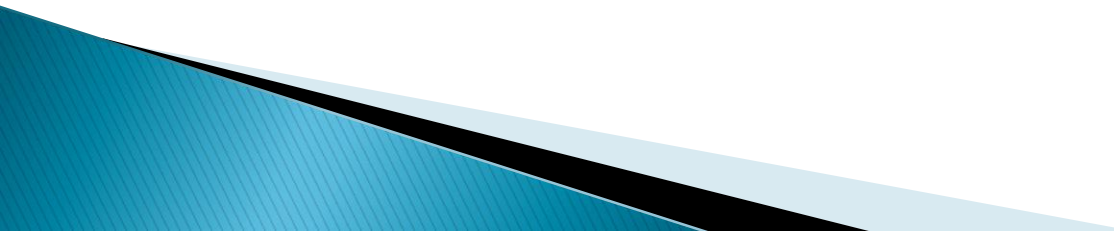
- Select an appropriate VA approach
  - Identify necessary information
  - Make decisions during the VA process
  - Get the VA results used
- 

# Setting goals for a VA

- ▶ What *problems* are you addressing?
- ▶ What *decisions* need to be supported?



# Tips for writing good objectives

- ▶ Avoid ambiguity
    - What you want
    - When you want it
  - ▶ Make them measurable
  - ▶ Focus on fundamental objectives, not how you'll achieve them
- 

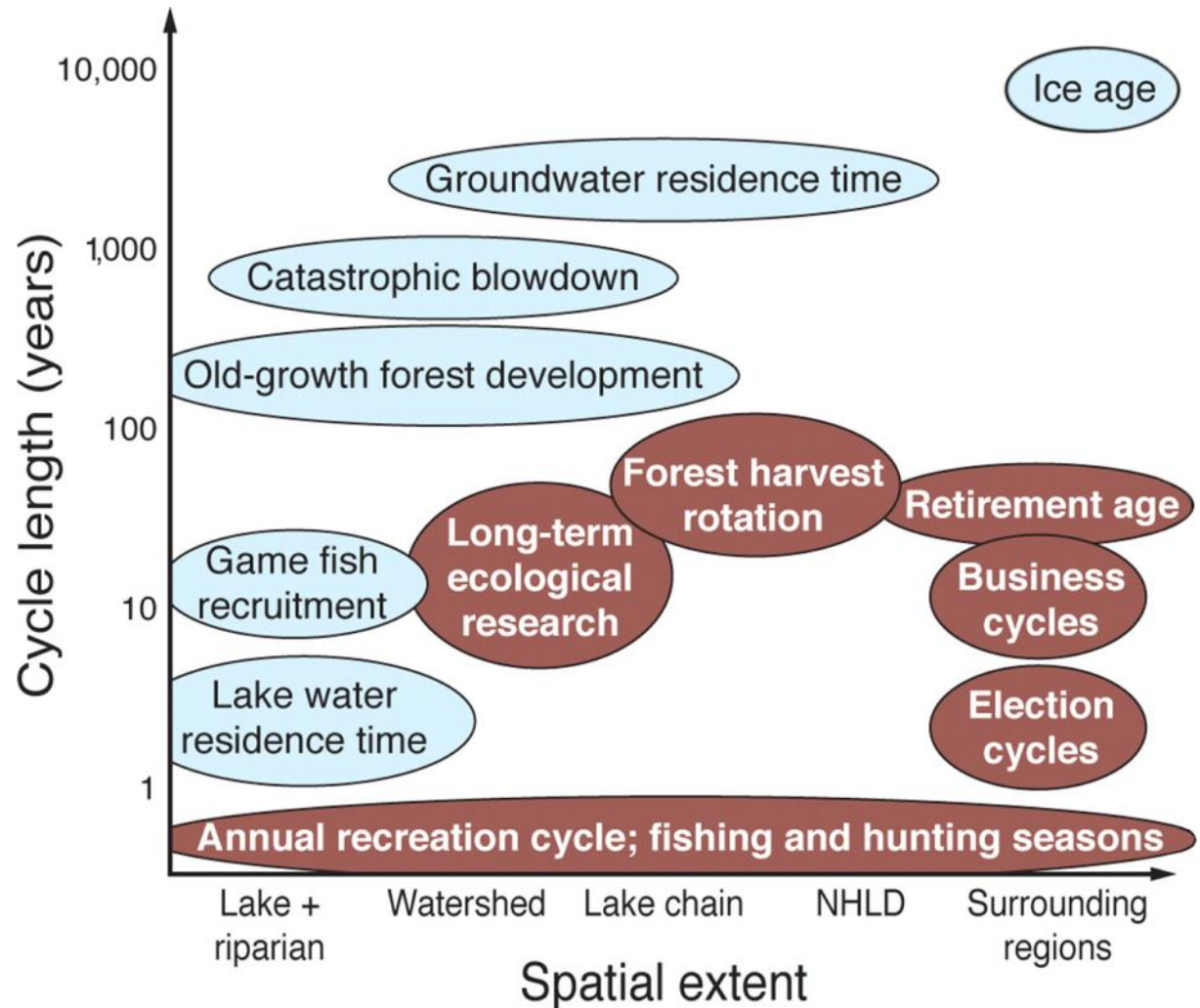
The objective of my CCVA is to understand the relative vulnerability of the species in my refuge to climate change.

My objective in performing a vulnerability assessment is to prioritize restoration projects.

My fundamental objective is to maximize the likelihood that the Ozark hellbender will be de-listed. I will do a CCVA to minimize the risk of selecting management measures that are highly vulnerable to climate change.

# What's the right scale?

- Space
- Time
- Resolution





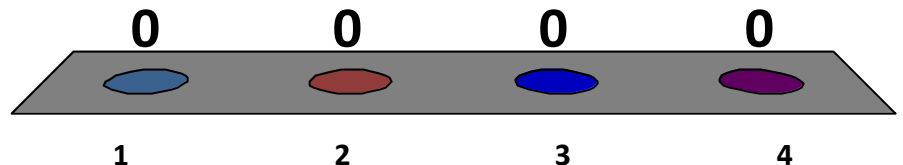


Source: National Geographic Society



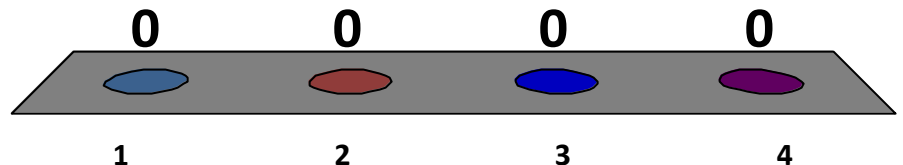
You are asked to do a VA for wolverines to inform resource allocation decisions for Gallatin NF. Do you assess exposure at the scale of:

1. Gallatin NF
2. Gallatin NF + Yellowstone NP
3. The Rockies
4. Their entire range



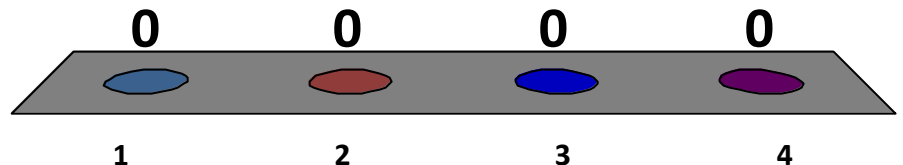
You are asked to do a VA for wolverines to inform species recovery planning. Do you assess exposure at the scale of:

1. Gallatin NF
2. Gallatin NF + Yellowstone NP
3. The Rockies
4. Their entire range



You are asked to do a VA for pika to help decided whether to list them as endangered in the State of Colorado. Do you assess exposure at the scale of:

1. Gallatin NF
2. Gallatin NF + Yellowstone NP
3. The Rockies
4. Their entire range



# Your assignment:

- ▶ **Get into your VA groups**
  - ▶ **Discuss questions 1a and 1b; write out your answer**
  - ▶ **Share your answers with another VA group**
- 